ORIGINAL

0000138848

RECEIVED

2012 AUG 31 A 11:28

AZ CORP COMMISSION
DOCKET CONTROL

Arizona Corporation Commission
DOCKETED
AUG 31 2012
DOCKETED BY

FENNEMORE CRAIG, P.C.
A Professional Corporation
Jay L. Shapiro (No. 014650)
Patrick J. Black (No. 017141)
3003 North Central Avenue
Suite 2600
Phoenix, Arizona 85012
Telephone (602) 916-5000

Attorneys for The Links at Coyote Wash Utilities, LLC

BEFORE THE ARIZONA CORPORATION COMMISSION

IN THE MATTER OF THE APPLICATION OF THE LINKS AT COYOTE WASH UTILITIES, LLC, FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY FOR WASTEWATER SERVICE IN YUMA COUNTY, ARIZONA.	DOCKET NO. SW-04210A-06-0220 **NOTICE OF COMPLIANCE WITH DECISION NO. 72249**

The Links at Coyote Wash Utilities, L.L.C. ("Company") hereby submits this Notice of Compliance in the above-captioned matter. Decision No. 72249 (April 7, 2011) granted the Company an extension of time, until August 31, 2012, to file copies of the Approval of Construction ("AOC") for wastewater infrastructure constructed to serve a development known as Links at Coyote Wash Unit #4, as well an amended Aquifer Protection Permit ("APP") – both of which were previously ordered to be filed in Decision Nos. 69209 (December 21, 2006) and 71189 (June 30, 2009). See **Exhibits 1** (AOC) and **2** (APP) attached hereto.

RESPECTFULLY SUBMITTED this 31st day of August, 2012.

FENNEMORE CRAIG, P.C.

By_____
Jay L. Shapiro
Patrick J. Black
Attorneys for The Links at Coyote Wash Utilities, LLC

ORIGINAL and 13 copies filed this 31st day of August, 2012, with:

Docket Control
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

COPY hand-delivered this 31st day of August, 2012:

Janice Alward, Chief Legal Counsel
Legal Division
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

Carmel Hood, Compliance
Utilities Division
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

By: W. M. McCracken

7403628.1/016307.0001

EXHIBIT

1

Yuma County, Arizona
DEPARTMENT OF DEVELOPMENT SERVICES
2351 W. 26th Street, Yuma, Arizona 85364
Phone: (928) 817-5000
Fax: (928) 817-5020

Monty M. Stansbury, AICP
Director

APPROVAL OF CONSTRUCTION (AOC)

Project Name: The Fairways at Coyote Wash #1

Project Description: Install 994 lf/6" and 2407 lf/8" PVC water lines to service a 73 lot RV subdivision

Location: Ligurta Lane & Comanche Street

Project Owner: L. Scott Spencer
Address: 2515 S. Avenue 2 1/2E Ste #2

Yuma County Development Services (YC DDS) hereby issues an Approval of Construction for this facility based on the following provisions of the Arizona Administrative Code (A.A.C.) R18-4-507 et seq.

On 09/21/2011, (YC DDS) issued a Certificate of Approval to Construct for the referenced project.

On 11/28/2011, Certificate of Completion and testing results were submitted to YC DDS

On 11/28/2011, Craig R. Colvin, P.E. certified the following:

- A final construction inspection was conducted on 11/14/2011
- The referenced project was constructed according to the approved plans and specifications and YC DDS's Certificate of Approval to Construct;
- Water system pressure and leakage tests were conducted on 11/03/2011 and the results were within the allowable leakage rates;
- The water distribution system was disinfected according to an ADEQ-approved method; and
- Microbiological samples were collected and analyzed by Agri-Trend, The sample results were negative for total coliform.

This Approval of Construction authorizes the owner to begin operating the above-described facilities as represented in the approved plans on file with YC DDS. Be advised that A.A.C. § R18-4-124 requires the owner of a public water system to maintain and operate all water production, treatment and distribution facilities in accordance with ADEQ Safe Drinking Water Rules.

YC DDS File Number: PR11-0088

R.S.

Rick Stacks, R.S.
Environmental Programs Manager

12/05/2011
Date Approved

cc:—— County Planning and Zoning Department
ADEQ - DWFEIU
Facility File YC DDS

P:\Env_Health\EH Letters\Plans Review\AOC's\2011\The Fairways at Coyote Wash Unit #1 (73(12).doc

Yuma County, Arizona
DEPARTMENT OF DEVELOPMENT SERVICES
2351 W. 26th Street, Yuma, Arizona 85364
Phone: (928) 817-5000
Fax: (928) 817-5020

Monty M. Stansbury, AICP
Director

DISCHARGE AUTHORIZATION

FOR A SEWAGE COLLECTION SYSTEM
TYPE 4.01 GENERAL PERMIT

Permittee Information:	**County:** Yuma
Name L. Scott Spencer	**ADEQ File No.** PR11-0088
Address 2515 S. Avenue 2 1/2E Ste #2	**Project Name:** The Fairways at Coyote Wash #1
Yuma, AZ 85365	**LTF #:**

Project Type(s)

- ☒ Gravity
- ☐ Lift Station
- ☐ Force Main
- ☐ Other:

Project Location: Ligurta Lane & Comanche Street

Project Description: Install 3,446 lf/8" sewer line to service a 73 lot RV subdivision

Design Documents Approved for Construction	
Document	**Date**
Request for Discharge Authorization	11/28/11
Deflection Tests	10/13/11
Uniform Slope Tests	09/21/11
Leakage Tests	11/14/11
As-built Plans	11/16/11
Other Document(s):	

WWTP Name: Town of Wellton

Treatment Facility Permitted Design Flow: 3 MGD

APP Number P105311

System Capacity Affirmation Date: 08/12/2011

Sewage Collection System Capacity Affirmation Date: 08/19/2011

Location of Downstream End of System Proposed Herein:

Township	9S	Range	19W	Section	11 & 14	¼	¼	¼

Latitude	32°	39'	00"N
Longitude	114°	10'	45"W

Description of Area Served by Project: Install Water and Sewer service for a 73 lot RV Subdivision.

Discharge Authorization: This Discharge Authorization is issued in accordance with Arizona Administrative Code Title 18, Chapter 9, Article 3, Part A, Section A301. The permittee is authorized to discharge from the facility at the location specified herein under terms and conditions of the general permit and applicable requirements of Arizona Revised Statutes Title 49, Chapter 2, and Arizona Administrative Code Title 18, Chapter 9.

Rick Stacks, R.S.	Environmental Programs Manager	12/05/2011
Rick Stacks, R.S.	Title	Date

Revised March 2006

ADEQ Arizona Department of Environmental Quality

CERTIFICATE OF APPROVAL OF SANITARY FACILITIES FOR SUBDIVISIONS INCORPORATING SEWAGE COLLECTION SYSTEMS

SUBDIVISION:	The Fairways at Coyote Wash Unit 1 Lots 1 through 73	**ADEQ File No.**	20110272
LOTS	Total lots 73	**LTF No.**	55267

Location: Avenue 27E and Ligurta Lane

City/Town/Village: Wellton **County:** Yuma

Section 11 **Township** 09S **Range** 19W

Subdivider: L.S.S, Inc

Water Supplied By: Wellton (14-022)

Sewage Treatment By: The Links at Coyote Wash Utilities, LLC (105311)

Garbage Disposal By: Town of Wellton to Copper Mountain Landfill

The sanitary facilities of water supply, sewage treatment and garbage disposal as represented by the approved plan documents on file with the Arizona Department of Environmental Quality are hereby approved subject to the following Provisions:

1. No "discharge" to the "waters of the United States" pursuant to Sections 301, 309, 402, 404, and 502 of the federal Clean Water Act (CWA) is authorized by this approval. If this project results in discharge to these waters, CWA permits are necessary before commencing the discharge, pursuant to the Code of Federal Regulations Titles 33 and/or 40. Any construction in a watercourse shall comply with all terms and conditions of the Section 404 Permit program which is administered by the U.S. Army Corps of Engineers.

This Certificate of Approval does NOT constitute an Individual or General Aquifer Protection Permit for the sewage collection system incorporated in this subdivision (see separate Provisional Verification of General Permit Conformance).

Henry R. Darwin, Director
Arizona Department of Environmental Quality

Tanveer Faiz, P.E., Environmental Engineer
Ground water Section
Water Quality Division

12/20/2011
Date

CERTIFICATE DISTRIBUTION
Original Certificate and Plat:
Engineering Review File No: 20110272
Certificate Copy:
Subdivider: LSS, Inc.
Reviewer: RDR
ERP: 11-0413

EXHIBIT

2

STATE OF ARIZONA
AQUIFER PROTECTION PERMIT NO. P-105311
PLACE ID 18278, LTF 39264
SIGNIFICANT AMENDMENT

1.0 AUTHORIZATION

In compliance with the provisions of Arizona Revised Statutes (A.R.S.) Title 49, Chapter 2, Articles 1, 2, and 3, Arizona Administrative Code (A.A.C.) Title 18, Chapter 9, Articles 1 and 2, A.A.C. Title 18, Chapter 11, Article 4 and amendments thereto, and the conditions set forth in this permit, G-12, L.L.C. is hereby authorized to operate the **Links at Coyote Wash Wastewater Treatment Facility (WWTF)** located south of the Town of Wellton, Yuma County, Arizona, over groundwater of the Yuma Basin in Township 9 S, Range 18 W, Section 7, S 1/2, of the Gila and Salt River Baseline and Meridian.

This permit becomes effective on the date of the Water Quality Division Director's signature and shall be valid for the life of the facility (operational, closure, and post-closure periods) unless suspended or revoked pursuant to A.A.C. R18-9-A213. The permittee shall construct, operate and maintain the permitted facilities:

1. Following all the conditions of this permit including the design and operational information documented or referenced below, and
2. Such that Aquifer Water Quality Standards (AWQS) are not violated at the applicable point(s) of compliance (POC) set forth below or if an AWQS for a pollutant has been exceeded in an aquifer at the time of permit issuance, that no additional degradation of the aquifer relative to that pollutant and as determined at the applicable POC occurs as a result of the discharge from the facility.

1.1 PERMITTEE INFORMATION

Facility Name:	Links at Coyote Wash Wastewater Treatment Facility (WWTF)
Facility Address:	South of the Town of Wellton, corner of Ave 29 East and County 12th Street Wellton, Arizona
County:	Yuma
Permittee:	G-12, L.L.C. P.O. Box 6047 Yuma, Arizona 85374
Facility Contact:	Mr. Spike Curtis, (928) 726-5920
Emergency Phone No.:	Rick Miller, Sunstate Environmental Services (928) 341-9685
Latitude/Longitude:	32° 32' 00" N/ 114° 08' 00" W
Legal Description:	Township 09S, Range 18W, Section 7, S1/2

1.2 AUTHORIZING SIGNATURE

Michael A. Fulton, Director
Water Quality Division
Arizona Department of Environmental Quality

Signed this 17th day of July, 2011

THIS AMENDED PERMIT SUPERCEDES ALL PREVIOUS PERMITS

2.0 SPECIFIC CONDITIONS [A.R.S. §§ 49-203(4), 49-241(A)]

2.1 Facility / Site Description [A.R.S. § 49-243(K)(8)]

The Links at Coyote Wash Wastewater Treatment Facility (WWTF) is located in Wellton, Arizona, approximately 30 miles east of Yuma. The facility has a WWTP designed for a total capacity of 0.235 MGD to provide service to conventional homes, and/or RV sites with outbuildings.

The Links at Coyote Wash WWTF will be constructed in two (2) phases and have the final capacity of 0.235 million gallons per day (MGD). The existing Phase I treatment train is designed for a flow of 0.0693 MGD. The treatment process consists of an equalization basin, an anoxic tank, aeration tanks, a de-nitrification tank, a re-aeration tank, a clarifier, chlorination and a sludge holding tank. The Phase I chlorination unit has enough capacity to also handle Phase II flows. The proposed Phase II treatment train is designed for a treatment capacity of 0.1657 MGD and includes the new headworks with comminutor and bar screen, an anoxic tank, aeration tanks, a de-nitrification tank, a re-aeration tank, a clarifier, chlorination, de-chlorination, and a sludge holding tank. The new headworks will be installed in Phase II to handle the flows from Phases I and II. The effluent will be disinfected in the existing chlorination basin and will be de-chlorinated in the new de-chlorination unit. After the construction of the components in Phase II, the facility will be rated for a total design capacity of 0.235 MGD. All generated sludge is hauled off-site for disposal in accordance with all applicable state and federal regulations.

The WWTF will produce reclaimed water meeting Class B+ Reclaimed Water Standards (A.A.C. R18-11, Article 3) and may be delivered for beneficial use under a valid reclaimed water permit (A.A.C. R18-9, Article 7). The effluent will be stored in the lined effluent storage pond prior to delivery for beneficial reuse.

Depth to groundwater at the WWTF site is approximately 70 feet below ground surface (bgs) and the direction of groundwater flow is to the northeast.

All industrial hookups and other non-residential hookups to the treatment system shall be authorized according to the applicable federal, state or local regulations.

The site includes the following permitted discharging facilities:

WWTF	32° 32' 0.00" N	114° 08' 00.00" W
Effluent Storage Pond	32° 28' 0.23" N	114° 09' 21.48" W

Annual Registration Fee [A.R.S. § 49-242 and A.A.C. R18-14-104]

The Annual Registration Fee for this permit is established by A.R.S. § 49-242 and is payable to the Arizona Department of Environmental Quality (ADEQ) each year. The design flow is 0.235 million gallons per day.

Financial Capability [A.R.S. § 49-243(N) and A.A.C. R18-9-A203]

The permittee has demonstrated financial capability under A.R.S. § 49-243(N) and A.A.C. R18-9-A203. The permittee shall maintain financial capability throughout the life of the facility. The estimated dollar amount demonstrated for financial capability is $30,000. The financial capability was demonstrated through A.A.C. R18-9-A203(B)(1)and (2).

2.2 Best Available Demonstrated Control Technology (BADCT) [A.R.S. § 49-243(B) and A.A.C. R18-9-A202(A)(5)]

The WWTF shall be designed, constructed, operated, and maintained to meet the treatment performance criteria for new facilities as specified in A.A.C. R18-9-B204. The facility shall meet the performance requirement for industrial pre-treatment as per A.A.C. R18-9-B204(B)(6)(b).

The treatment facility shall not exceed a maximum seepage rate of 550 gallons per day per acre for all containment structures within the treatment works. The facility is required to maintain a 100-foot setback distance from the nearest property line of an adjacent dwelling, workplace, or private property as per A.A.C. R18-9-B201.

2.2.1 Engineering Design

The WWTF was designed as per the design report prepared by Dan Dow, P.E. (Civil #42318) February 22, 2006, and subsequent sealed submittals that served as additions to the design report.

2.2.2 Site-specific Characteristics

Site specific characteristics were not used to determine BADCT.

2.2.3 Pre-operational Requirements

The permittee shall submit a signed, dated, and sealed Engineer's Certificate of Completion in a format approved by the Department for the addition of Phase II as per the Compliance Schedule in Section 3.0. The Certificate shall be submitted to the Groundwater Section and a copy shall be sent to the Water Quality Compliance Section.

2.2.4 Operational Requirements

1. The permittee shall maintain a copy of the up-to-date operations and maintenance manual at the WWTF site at all times; the manual shall be available upon request during inspections by ADEQ personnel.
2. The pollution control structures shall be inspected for the items listed in Section 4.2, Table III - Facility Inspection (Operational Monitoring).
3. If any damage of the pollution control structures is identified during inspection, proper repair procedures shall be performed. All repair procedures and material(s) used shall be documented on the Self-Monitoring Report Form submitted quarterly to the ADEQ Water Quality Compliance Section.

2.2.5 Reclaimed Water Classification [A.A.C. R18-9-703(C)(2)(a), A.A.C. R18-11-303 through 307]

The treatment facility is rated as producing reclaimed water meeting the Class B+ Reclaimed Water Quality Standards (A.A.C. R18-11, Article 3) which may be used for any allowable Class B or C use under a valid reclaimed water permit (A.A.C. R18-9, Article 7).

2.2.6 Certified Areawide Water Quality Management Plan Conformance [A.A.C. R18-9-A201(B)(6)(a)]

Facility operations must conform to the approved Certified Areawide Water Quality Management Plan according to the 208 consistency determination in place at the time of permit issuance.

2.3 Discharge Limitations [A.R.S. §§ 49-201(14), 49-243 and A.A.C. R18-9-A205(B)]

1. The permittee is authorized to operate the WWTF with a maximum average annual flow of 0.235 mgd. Section 4.2 contains Tables IA-1 and IA-2 for discharge monitoring for Phases I and II. The permittee shall use the monitoring table which is commensurate with the phase in use at the time. Upon construction of the next phase, the permittee shall discontinue monitoring required in the previous phase. Monitoring is not required for phases not yet constructed.

2. The permittee shall notify all users that the materials authorized to be disposed of through the WWTF are typical household sewage and pre-treated commercial wastewater and shall not include motor oil, gasoline, paints, varnishes, hazardous wastes, solvents, pesticides, fertilizers or other materials not generally associated with toilet flushing, food preparation, laundry facilities and personal hygiene.

3. The permittee shall operate and maintain all permitted facilities to prevent unauthorized discharges pursuant to A.R.S. § 49-201(12) resulting from failure or bypassing of applicable BADCT (best available demonstrated control technologies).

4. Specific discharge limitations are listed in Section 4.2, Tables IA -1, IA-2 and IB.

2.4 Point of Compliance (POC) [A.R.S. § 49-244]

The Point of Compliance (POC) is designated at the following location:

POC #	POC Location	Latitude	Longitude
1	northeast of the WWTF	32°38'58" N	114°09'07" W

The Director may amend this permit to designate additional points of compliance if information on groundwater gradients or groundwater usage indicates the need.

2.5 Monitoring Requirements [A.R.S. § 49-243(K)(1), A.A.C. R18-9-A206(A)]

All monitoring required in this permit shall continue for the duration of the permit, regardless of the status of the facility. All sampling, preservation and holding times shall be in accordance with currently accepted standards of professional practice. Trip blanks, equipment blanks and duplicate samples shall also be obtained, and Chain-of-Custody procedures shall be followed, in accordance with currently accepted standards of professional practice. The permittee shall develop a site-specific Quality Management Plan (QMP) which describes the sample collection and analysis procedures to ensure that the result of work performed under this permit will satisfy the data quality objectives of the permit. The permittee shall be responsible for the quality and accuracy of all data required by this permit. If a third party collects or analyzes samples on behalf of the permittee, the permittee shall obtain a copy of the third party site-specific QMP. The permittee shall consult with the most recent version of the ADEQ QMP and Title 40, PART 136 of the Environmental Protection Agency's Code of Federal Regulations (CFR) for guidance in this regard. Copies of laboratory analyses and Chain-of-Custody forms shall be maintained at the permitted facility. Upon request, these documents shall be made immediately available for review by ADEQ personnel.

2.5.1 Pre-Operational Monitoring

Not required in this permit.

2.5.2 Discharge Monitoring

The permittee shall monitor the effluent according to Section 4.2, Table IA-1, and IA-2. Representative samples of the effluent shall be collected at the point of discharge from the discharge structure.

2.5.3 Reclaimed Water Monitoring

The permittee shall monitor the parameters listed under Table 1B in addition to the routine discharge monitoring parameters listed in Tables 1A-1 and IA-2. Representative samples of the reclaimed water shall be collected at the point of discharge from the discharge structure.

2.5.4 Groundwater Monitoring and Sampling Protocols

Static water levels shall be measured and recorded prior to sampling. Wells shall be purged of at least three borehole volumes (as calculated using the static water level) or until field parameters (pH, temperature, conductivity) are stable, whichever represents the greater volume. If evacuation results in the well going dry, the well shall be allowed to recover to 80 percent of the original borehole volume, or for 24 hours, whichever is shorter, prior to sampling. If after 24 hours there is not sufficient water for sampling, the well shall be recorded as "dry" for the monitoring event. An explanation for reduced pumping volumes, a record of the volume pumped, and modified sampling procedures shall be reported and submitted with the SMRF.

2.5.4.1 POC Well Replacement

In the event that one or more of the designated POC wells should become unusable or inaccessible due to damage, exceedance of an alert level (AL) for water level as required by Section 2.6.2.3.4(3), or any other event, a replacement POC well shall be constructed and installed upon approval by ADEQ. If the replacement well is fifty feet or less from the original well, the ALs and/or aquifer quality limits (AQLs) calculated for the designated POC well shall apply to the replacement well.

2.5.5 Surface Water Monitoring and Sampling Protocols

Routine surface water monitoring is not required under the terms of this permit.

2.5.6 Facility / Operational Monitoring

Operational monitoring inspections shall be conducted according to Section 4.2, Table III.

1. If any damage of the pollution control structures is identified during inspection, proper repair procedures shall be performed. All repair procedures and materials used shall be documented on the SMRF submitted quarterly to the ADEQ Water Quality Compliance Section, Data Unit. If none of the conditions occur, the report shall say "no event" for a particular reporting period. If the facility is not in operation, the permittee shall indicate this on the SMRF.

2. The permittee shall submit data required in Section 4.2, Table III regardless of the operating status of the facility unless otherwise approved by the Department or allowed in this permit.

2.5.7 Analytical Methodology

All samples collected for compliance monitoring shall be analyzed using Arizona state-approved methods. If no state-approved method exists, then any appropriate EPA-approved method shall be used. Regardless of the method used, the detection limits must be sufficient to determine compliance with the regulatory limits of the parameters specified in this permit. Analyses shall be performed by a laboratory licensed by the Arizona Department of Health Services, Office of Laboratory Licensure and Certification. For results to be considered valid, all analytical work shall

meet quality control standards specified in the approved methods. A list of state-certified laboratories in Arizona can be obtained at the address below:

Arizona Department of Health Services
Office of Laboratory Licensure and Certification
250 North 17th Avenue
Phoenix, Arizona 85007
Phone: (602) 364-0720

2.5.8 Installation and Maintenance of Monitoring Equipment

Monitoring equipment required by this permit shall be installed and maintained so that representative samples required by the permit can be collected. If new groundwater wells are determined to be necessary, the construction details shall be submitted to the ADEQ Groundwater Section for approval prior to installation and the permit shall be amended to include any new monitoring points.

2.6 Contingency Plan Requirements
[A.R.S. § 49-243(K)(3), (K)(7) and A.A.C. R18-9-A204 and R18-9-A205]

2.6.1 General Contingency Plan Requirements

At least one copy of this permit and the approved contingency and emergency response plan(s) submitted in the application shall be maintained at the location where day-to-day decisions regarding the operation of the facility are made. The permittee shall be aware of and follow the contingency and emergency plans.

Any AL exceedance, or violation of an AQL, DL, or other permit condition shall be reported to ADEQ following the reporting requirements in Section 2.7.3.

Some contingency actions involve verification sampling. Verification sampling shall consist of the first follow-up sample collected from a location that previously indicated a violation or the exceedance of an AL. Collection and analysis of the verification sample shall use the same protocols and test methods to analyze for the pollutant or pollutants that exceeded an AL or violated an AQL or DL. The permittee is subject to enforcement action for the failure to comply with any contingency actions in this permit. Where verification sampling is specified in this permit, it is the option of the permittee to perform such sampling. If verification sampling is not conducted within the timeframe allotted, ADEQ and the permittee shall presume the initial sampling result to be confirmed as if verification sampling had been conducted. The permittee is responsible for compliance with contingency plans relating to the exceedance of an AL or violation of a DL, AQL or any other permit condition.

2.6.2 Exceeding of Alert Levels/Performance Levels

2.6.2.1 Exceeding of Performance Levels Set for Operational Conditions

1. If an operational performance level (PL) set in Section 4.2, Table III has been exceeded the permittee shall:

   a. Notify the ADEQ Water Quality Compliance Section (by phone or fax, see Section 2.7.5) within five days of becoming aware of the exceedance.

   b. Submit a written report to the ADEQ Water Quality Compliance Section within 30 days after becoming aware of the exceedance. The report shall document all of the following:

(1) A description of the exceedance and its cause;

(2) The period of the exceedance, including exact date(s) and time(s), if known, and the anticipated time period during which the exceedance is expected to continue;

(3) Any action taken or planned to mitigate the effects of the exceedance or spill, or to eliminate or prevent recurrence of the exceedance or spill;

(4) Any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an AWQS; and

(5) Any malfunction or failure of pollution control devices or other equipment or process.

2. The facility is no longer on alert status once the operational indicator no longer indicates that a PL is being exceeded. The permittee shall, however, complete all tasks necessary to return the facility to its pre-alert operating condition.

2.6.2.2 Exceeding of Alert Levels (ALs) Set for Discharge Monitoring

1. If an AL set in Section 4.2, Table IA-1 or IA-2 has been exceeded, the permittee shall immediately investigate to determine the cause. The investigation shall include the following:

   a. Inspection, testing, and assessment of the current condition of all treatment or pollutant discharge control systems that may have contributed to the exceedance;
   b. Review of recent process logs, reports, and other operational control information to identify any unusual occurrences; and
   c. If the investigation procedures indicated in (a) and (b) above fail to reveal the cause of the exceedance, the permittee shall sample individual waste streams composing the wastewater for the parameter(s) in question, if necessary to identify the cause of the exceedance.

2. The permittee shall initiate actions identified in the approved contingency plan referenced in Section 5.0 and specific contingency measures identified in Section 2.6 to resolve any problems identified by the investigation which may have led to the AL exceedance. To implement any other corrective action the permittee shall obtain prior approval from ADEQ according to Section 2.6.6.

3. Within thirty days of an AL exceedance, the permittee shall submit the laboratory results to the ADEQ Water Quality Compliance Section along with a summary of the findings of the investigation, the cause of the exceedance, and actions taken to resolve the problem.

4. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

2.6.2.2.1. Exceeding Permit Flow Limit

1. If the AL for average monthly flow in Section 4.2, Table IA-1 or IA-2 has been exceeded, the permittee shall submit an application to ADEQ for an

APP amendment to expand the WWTF or submit a report detailing the reasons an expansion is not necessary.

2. Acceptance of the report instead of an application for expansion requires ADEQ approval.

2.6.2.3 Exceeding of Alert Levels in Groundwater Monitoring

2.6.2.3.1 Alert Levels for Indicator Parameters

1. If an AL for an indicator parameter set in Section 4.2, Table II has been exceeded, the permittee shall sample for the complete set of pollutants (or sample at additional wells, or both) listed in Table II at the specified monitoring frequencies listed in Section 2.6.2.3.2.

2. The permittee shall continue testing for this set of pollutants until all indicator parameters have remained below the AL for four consecutive sampling events.

2.6.2.3.2 Alert Levels for Pollutants with Numeric Aquifer Water Quality Standards

1. In the case of an exceedance of an AL for a pollutant set in Section 4.2, Table II, the permittee may conduct verification sampling within five days of becoming aware of the exceedance. The permittee may use results of another sample taken between the date of the last sampling event and the date of receiving the result as verification.

2. If verification sampling confirms the AL exceedance or if the permittee opts not to perform verification sampling, then the permittee shall increase the frequency of monitoring for the pollutants set in Section 4.2, Table II as follows:

Specified Monitoring Frequency (Section 4.2, Table II)	Monitoring Frequency for AL Exceedance
Daily	Daily
Weekly	Daily
Monthly	Weekly
Quarterly	Monthly
Semi-annually	Quarterly
Annually	Quarterly

In addition, the permittee shall immediately initiate an investigation of the cause of the AL exceedance, including inspection of all discharging units and all related pollution control devices, review of any operational and maintenance practices that might have resulted in an unexpected discharge, and hydrologic review of groundwater conditions including upgradient water quality.

3. The permittee shall initiate actions identified in the approved contingency plan referenced in Section 5.0 and specific contingency measures identified in Section 2.6 to resolve any problems identified by the investigation which may have led to an AL exceedance. To implement any other corrective action the permittee shall obtain prior approval from ADEQ according to Section 2.6.6. Alternatively, the permittee may submit a technical demonstration, subject to written

approval by the Groundwater Section, that although an AL has been exceeded, pollutants are not reasonably expected to cause a violation of an AQL. The demonstration may propose a revised AL or monitoring frequency for approval in writing by the Groundwater Section.

4. Within 30 days after confirmation of an AL exceedance, the permittee shall submit the laboratory results to the Water Quality Compliance Section along with a summary of the findings of the investigation, the cause of the exceedance, and actions taken to resolve the problem.

5. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

6. The increased monitoring required as a result of an AL exceedance may be reduced to the monitoring frequency in Section 4.2, Table II if the results of four sequential sampling events demonstrate that no parameters exceed the AL.

7. If the increased monitoring required as a result of an AL exceedance continues for more than six sequential sampling events, the permittee shall submit a second report documenting an investigation of the continued AL exceedance within 30 days of the receipt of laboratory results of the sixth sampling event.

2.6.2.3.3 Alert Levels to Protect Downgradient Users from Pollutants Without Numeric Aquifer Water Quality Standards

Not required at time of issuance.

2.6.2.3.4 Alert Level for Groundwater Level

1. If an alert level for groundwater level established in Section 4.2, Table II is not within the allowable range, the permittee shall submit a written report within 30 days after becoming aware of the exceedance. The report shall document the following:
   a. the as-built configuration of the well including the screened interval;
   b. all groundwater level measurements available for the well;
   c. a discussion and analysis of any trends or seasonal variations in the groundwater level measurements;
   d. information on groundwater recharge, withdrawal, or other hydrologic conditions in the vicinity of the well, and;
   e. any other pertinent information obtained by the permittee.
2. If an alert level for groundwater level established in Section 4.2, Table II is not within the allowable range for more sequential sampling events, the permittee shall submit a second report which evaluates the cause(s) of the exceedance and recommends whether the well should be replaced pursuant to Section 2.5.4.1. The report shall discuss and demonstrate whether samples representative of the water quality of the relevant aquifer can be practicably obtained from the well.
3. Upon review of the submitted report, the Department may amend the permit to require replacement of the well, require additional permit conditions, or other actions.

2.6.3 Discharge Limit Violation

1. If a DL set in Section 4.2, Tables IA-1, IA-2 or IB has been violated, the permittee shall immediately investigate to determine the cause. The investigation shall include the following:

   a. Inspection, testing, and assessment of the current condition of all treatment or pollutant discharge control systems that may have contributed to the violation;

   b. Review of recent process logs, reports, and other operational control information to identify any unusual occurrences;

   c. If the investigation procedures indicated in (a) and (b) above fail to reveal the cause of the violation, the permittee shall sample individual waste streams composing the wastewater for the parameters in violation, if necessary to identify the cause of the violation.

   The permittee shall submit a report according to Section 2.7.3, which includes a summary of the findings of the investigation, the cause of the violation, and actions taken to resolve the problem. The permittee shall consider and ADEQ may require corrective action that may include control of the source of discharge, cleanup of affected soil, surface water or groundwater, notification of downstream or downgradient users who may be directly affected by the discharge, and mitigation of the impact of pollutants on existing uses of the aquifer. Corrective actions shall either be specifically identified in this permit, included in an ADEQ-approved contingency plan, or separately approved according to Section 2.6.6.

2. The permittee shall comply with the freeboard requirements as specified in Section 4.2, Table III (Facility Inspections) to prevent the overtopping of an impoundment or sludge drying bed. If an impoundment or sludge drying bed is overtopped, the permittee shall follow the requirements in Section 2.6.5.3 and the reporting requirements of Section 2.7.3.

3. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions, or other actions.

2.6.4 Aquifer Quality Limit Violation

1. If an AQL set in Section 4.2, Table II has been exceeded, the permittee may conduct verification sampling within five days of becoming aware of the exceedance. The permittee may use results of another sample taken between the date of the last sampling event and the date of receiving the result as verification.

2. If the verification sample does not confirm an AQL violation, no further action is needed under this Section.

3. If verification sampling confirms that an AQL was violated for any parameter or if the permittee opts not to perform verification sampling, then, the permittee shall increase the frequency of monitoring as follows:

Specified Monitoring Frequency (Section 4.2, Table II)	Monitoring Frequency for AQL Exceedance
Daily	Daily
Weekly	Daily
Monthly	Weekly
Quarterly	Monthly
Semi-annually	Quarterly
Annually	Quarterly

In addition, the permittee shall immediately initiate an evaluation for the cause of the violation, including inspection of all discharging units and all related pollution control devices, and review of any operational and maintenance practices that might have resulted in unexpected discharge.

The permittee also shall submit a report according to Section 2.7.3, which includes a summary of the findings of the investigation, the cause of the violation, and actions taken to resolve the problem. A verified exceedance of an AQL will be considered a violation unless the permittee demonstrates within 30 days that the exceedance was not caused or contributed to by pollutants discharged from the facility. Unless the permittee has demonstrated that the exceedance was not caused or contributed to by pollutants discharged from the facility, the permittee shall consider and ADEQ may require corrective action that may include control of the source of discharge, cleanup of affected soil, surface water, or groundwater, and mitigation of the impact of pollutants on existing uses of the aquifer. Corrective actions shall either be specifically identified in this permit, included in an ADEQ approved contingency plan, or separately approved according to Section 2.6.6.

4. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

2.6.5 Emergency Response and Contingency Requirements for Unauthorized Discharges pursuant to A.R.S. § 49-201(12) and pursuant to A.R.S. § 49-241

2.6.5.1 Duty to Respond

The permittee shall act immediately to correct any condition resulting from a discharge pursuant to A.R.S. § 49-201(12) if that condition could pose an imminent and substantial endangerment to public health or the environment.

2.6.5.2 Discharge of Hazardous Substances or Toxic Pollutants

In the event of any unauthorized discharge pursuant to A.R.S. § 49-201(12) of suspected hazardous substances (A.R.S. § 49-201(19)) or toxic pollutants (A.R.S. § 49-243(I)) on the facility site, the permittee shall promptly isolate the area and attempt to identify the discharged material. The permittee shall record information, including name, nature of exposure and follow-up medical treatment, if necessary, on persons who may have been exposed during the incident. The permittee shall notify the ADEQ Water Quality Compliance Section and the Southern Regional Office within 24 hours of discovering the discharge of hazardous material which (a) has the potential to cause an AWQS or AQL exceedance, or (b) could pose an endangerment to public health or the environment.

2.6.5.3 Discharge of Non-hazardous Materials

In the event of any unauthorized discharge pursuant to A.R.S. § 49-201(12) of non-hazardous materials from the facility, the permittee shall promptly attempt to cease the

discharge and isolate the discharged material. Discharged material shall be removed and the site cleaned up as soon as possible. The permittee shall notify the ADEQ Water Quality Compliance Section and the Southern Regional Office and the within 24 hours of discovering the discharge of non-hazardous material which (a) has the potential to cause an AQL exceedance, or (b) could pose an endangerment to public health or the environment.

2.6.5.4 Reporting Requirements

The permittee shall submit a written report for any unauthorized discharges reported under Sections 2.6.5.2 and 2.6.5.3 to the ADEQ Water Quality Compliance Section and the Southern Regional Office within 30 days of the discharge or as required by subsequent ADEQ action. The report shall summarize the event, including any human exposure, and facility response activities and include all information specified in Section 2.7.3. If a notice is issued by ADEQ subsequent to the discharge notification, any additional information requested in the notice shall also be submitted within the time frame specified in the notice. Upon review of the submitted report, ADEQ may require additional monitoring or corrective actions.

2.6.6 Corrective Actions

Specific contingency measures identified in Section 2.6 have already been approved by ADEQ and do not require written approval to implement.

With the exception of emergency response actions taken under Section 2.6.5, the permittee shall obtain written approval from the Groundwater Section prior to implementing a corrective action to accomplish any of the following goals in response to exceedance of an AL or violation of an AQL, DL, or other permit condition:

1. Control of the source of an unauthorized discharge;
2. Soil cleanup;
3. Cleanup of affected surface waters;
4. Cleanup of affected parts of the aquifer;
5. Mitigation to limit the impact of pollutants on existing uses of the aquifer.

Within 30 days of completion of any corrective action, the operator shall submit to the ADEQ Water Quality Compliance Section, a written report describing the causes, impacts, and actions taken to resolve the problem.

2.7 Reporting and Recordkeeping Requirements [A.R.S. § 49-243(K)(2) and A.A.C. R18-9-A206(B) and R18-9-A207]

2.7.1 Self-Monitoring Report Form

1. The permittee shall complete the SMRFs provided by ADEQ, and submit them to the Water Quality Compliance Section, Data Unit.
2. The permittee shall complete the SMRF to the extent that the information reported may be entered on the form. If no information is required during a reporting period, the permittee shall enter "not required" on the SMRF and submit the report to ADEQ. The permittee shall use the format devised by ADEQ.
3. The tables contained in Section 4.0 list the parameters to be monitored and the frequency for reporting results for compliance monitoring. Analytical methods shall be recorded on the SMRF.
4. In addition to the SMRF, the information contained in A.A.C. R18-9-A206(B)(1) shall be included for exceeding an AL or violation of an AQL, DL, or any other permit condition being reported in the current reporting period.

2.7.2 Operation Inspection / Log Book Recordkeeping

A signed copy of this permit shall be maintained at all times at the location where day-to-day decisions regarding the operation of the facility are made. A log book (paper copies, forms, or electronic data) of the inspections and measurements required by this permit shall be maintained at the location where day-to-day decisions are made regarding the operation of the facility. The log book shall be retained for ten years from the date of each inspection, and upon request, the permit and the log book shall be made immediately available for review by ADEQ personnel. The information in the log book shall include, but not be limited to, the following information as applicable:

1. Name of inspector;
2. Date and shift inspection was conducted;
3. Condition of applicable facility components;
4. Any damage or malfunction, and the date and time any repairs were performed;
5. Documentation of sampling date and time; and
6. Any other information required by this permit to be entered in the log book.

Monitoring records for each measurement shall comply with A.A.C. R18-9-A206(B)(2).

2.7.3 Permit Violation and Alert Level Status Reporting

1. The permittee shall notify the Water Quality Compliance Section in writing (by mail or by fax - see Section 2.7.5) within five days (except as provided in Section 2.6.5) of becoming aware of a an AL exceedance, or violation of any permit condition, AQL, or DL.

2. The permittee shall submit a written report to the Water Quality Compliance Section within 30 days of becoming aware of the violation of any permit condition, AQL, or DL. The report shall document all of the following:

    a. Identification and description of the permit condition for which there has been a violation and a description of the cause;
    b. The period of violation including exact date(s) and time(s), if known, and the anticipated time period during which the violation is expected to continue;
    c. Any corrective action taken or planned to mitigate the effects of the violation, or to eliminate or prevent a recurrence of the violation;
    d. Any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an AWQS;
    e. Proposed changes to the monitoring which include changes in constituents or increased frequency of monitoring; and
    f. Description of any malfunction or failure of pollution control devices or other equipment or processes.

2.7.4 Operational, Other or Miscellaneous Reporting

The permittee shall complete the SMRF provided by the Department to reflect facility inspection requirements designated in Section 4.2, Table III and submit to the ADEQ Water Quality Compliance Section, Data Unit (see Section 2.7.5) quarterly along with other reports required by this permit. Facility inspection reports shall be submitted no less frequently than quarterly, regardless of operational status.

If the treatment facility is classified for reclaimed water under this permit, the permittee shall submit the reclaimed water monitoring results and flow volumes to any of the following in accordance with A.A.C. R18-9-703(C)(2)(c):

1. Any reclaimed water agent who has contracted for delivery of reclaimed water from the permittee; and
2. Any end user who has not waived interest in receiving this information.

2.7.5 Reporting Location

All SMRFs shall be submitted to:

Arizona Department of Environmental Quality
Water Quality Compliance Section, Data Unit
Mail Code: 5415B-1
1110 West Washington Street
Phoenix, Arizona 85007
Phone (602) 771-4681

All documents required by this permit to be submitted to the Water Quality Compliance Section shall be directed to both of the following addresses:

Arizona Department of Environmental Quality
Water Quality Compliance Section
Mail Code: 5415B-1
1110 West Washington Street
Phoenix, Arizona 85007
Phone (602) 771-4497
Fax (602) 771-4505

-AND-

Arizona Department of Environmental Quality
Southern Regional Office
400 West Congress Street, Suite 433
Tucson, Arizona 85701
Phone (520) 628-6733
Fax (520) 628-6745

All documents required by this permit to be submitted to the Groundwater Section shall be directed to:

Arizona Department of Environmental Quality
Groundwater Section
Mail Code: 5415B-3
1110 West Washington Street
Phoenix, Arizona 85007
Phone (602) 771-4428

2.7.6 Reporting Deadline

The following table lists the quarterly report due dates[1]:

[1]A post-mark date no later than the due date is considered meeting the due date requirements under this Section.

Monitoring conducted during quarter	Quarterly Report due by
January-March	April 30
April-June	July 30
July-September	October 30
October-December	January 30

The following table lists the semi-annual and annual report due dates:

Monitoring conducted	Report due by
Semi-annual: January-June	July 30
Semi-annual: July-December	January 30
Annual: January-December	January 30

2.7.7 Changes to Facility Information in Section 1.0

The Groundwater Section, the Water Quality Compliance Section, and the Southern Regional Office shall be notified within ten days of any change of facility information including Facility Name, Permittee Name, Mailing or Street Address, Facility Contact Person, or Emergency Telephone Number.

2.8 Temporary Cessation [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A209(A)]

The permittee shall give written notice to the Water Quality Compliance and the Southern Regional Office before ceasing operation of the facility for a period of 60 days or greater. The permittee shall take the following measures upon temporary cessation:

1. If applicable, direct the wastewater flows from the facility to another state-approved wastewater treatment facility;

2. Correct the problem that caused the temporary cessation of the facility; and
3. Notify ADEQ Water Quality Compliance Section and the Southern Regional Office with a monthly facility status report describing the activities conducted on the treatment facility to correct the problem.

At the time of notification the permittee shall submit for ADEQ approval a plan for maintenance of discharge control systems and for monitoring during the period of temporary cessation. Immediately following ADEQ approval, the permittee shall implement the approved plan. If necessary, ADEQ shall amend permit conditions to incorporate conditions to address temporary cessation. During the period of temporary cessation, the permittee shall provide written notice to the Water Quality Compliance Section and the Southern Regional Office of the operational status of the facility every three years. If the permittee intends to permanently cease operation of any facility, the permittee shall submit closure notification, as set forth in Section 2.9 below.

2.9 Closure [A.R.S. §§ 49-243(K)(6), 49-252 and A.A.C. R18-9-A209(B)]

For a facility addressed under this permit, the permittee shall give written notice of closure to the Water Quality Compliance Section and the Southern Regional Office of the intent to cease operation without resuming activity for which the facility was designed or operated.

2.9.1 Closure Plan

Within 90 days following notification of closure, the permittee shall submit for approval to the Groundwater Section, a closure plan which meets the requirements of A.R.S. § 49-252 and A.A.C. R18-9-A209(B)(3).

If the closure plan achieves clean-closure immediately, ADEQ shall issue a letter of approval to the permittee. If the closure plan contains a schedule for bringing the facility to a clean-closure configuration at a future date, ADEQ may incorporate any part of the schedule as an amendment to this permit.

2.9.2 Closure Completion

Upon completion of closure activities, the permittee shall give written notice to the Groundwater Section indicating that the approved closure plan has been implemented fully and providing supporting documentation to demonstrate that clean-closure has been achieved (soil sample results, verification sampling results, groundwater data, as applicable). If clean-closure has been achieved, ADEQ shall issue a letter of approval to the permittee at that time. If any of the following conditions apply, the permittee shall follow the terms of post-closure stated in this permit:

1. Clean-closure cannot be achieved at the time of closure notification or within one year thereafter under a diligent schedule of closure actions;
2. Further action is necessary to keep the facility in compliance with the AWQS at the applicable POC;
3. Continued action is required to verify that the closure design has eliminated discharge to the extent intended;
4. Remediation or mitigation measures are necessary to achieve compliance with Title 49, Ch. 2; and
5. Further action is necessary to meet property use restrictions.

2.10 Post-closure [A.R.S. §§ 49-243(K)(6), 49-252 and A.A.C. R18-9 A209(C)]

Post-closure requirements shall be established based on a review of facility closure actions and will be subject to review and approval by the Groundwater Section.

In the event clean-closure cannot be achieved pursuant to A.R.S. § 49-252, the permittee shall submit for approval to the Groundwater Section a post-closure plan that addresses post-closure maintenance and monitoring actions at the facility. The post-closure plan shall meet all requirements of A.R.S. §§ 49-201(30) and 49-252 and A.A.C. R18-9-A209(C). Upon approval of the post-closure plan, this permit shall be amended or a new permit shall be issued to incorporate all post-closure controls and monitoring activities of the post-closure plan.

2.10.1 Post-Closure Plan

A specific post-closure plan may be required upon the review of the closure plan.

2.10.2 Post-Closure Completion

Not required at the time of permit issuance.

3.0 COMPLIANCE SCHEDULE [A.R.S. § 49-243(K)(5) and A.A.C. R18-9-A208]

For each compliance schedule item listed below, the permittee shall submit the required information, including a cover letter that lists the compliance schedule items, to the Groundwater Section. A copy of the cover letter must also be submitted to the ADEQ Water Quality Compliance Section.

	Description	Due by
3.1	The permittee shall submit a signed, dated, and sealed Engineer's Certificate of Completion in a format approved by the Department that confirms that Phase II was constructed according to the Department-approved design report or plans and specifications, as applicable.	Prior to discharging under Phase II of this permit and within 90 days of completion of construction of the Phase II components.
3.2	The permittee shall provide an updated financial assurance mechanism for ADEQ approval for the Phase II increased treatment capacity.	Prior to placing the Phase II treatment components into operation.

4.0 TABLES OF MONITORING REQUIREMENTS

4.1 PRE-OPERATIONAL MONITORING (OR CONSTRUCTION REQUIREMENTS)

Not applicable at permit issuance.

4.2 COMPLIANCE (or OPERATIONAL) MONITORING

TABLE IA-1 PHASE I (flows up to 0.0693 mgd)[2]
ROUTINE DISCHARGE MONITORING

Sampling Point Number	Sampling Point Identification	Latitude	Longitude
1	Discharge Structure	32° 32' 00" N	114° 08' 00" W

Parameter	AL[3]	DL[4]	Units	Sampling Frequency	Reporting Frequency
Total Flow: Daily[5]	Not Established[6]	Not Established	mgd[7]	Everyday	Quarterly
Total Flow: Monthly Average[8]	0.0658	0.0693	mgd	Monthly Calculation	Quarterly
Fecal Coliform: Single sample maximum	Not Established	200	CFU or MPN[9]	Daily[10]	Quarterly
Fecal Coliform: four (4) of seven (7) samples in a week[11]	Not Established	800[12]	CFU or MPN	Daily	Quarterly
Total Nitrogen[13]: Five-sample rolling geometric mean	8.0	10.0	mg/l[14]	Monthly[15]	Quarterly

[2] Monitoring will be conducted under this table and shall continue until the facility commences operation in Phase II (Section 4.2, Table IA-2).
[3] AL = Alert Level
[4] DL = Discharge Limit
[5] Flow shall be measured using a continuous recording flow meter which totals the flow daily.
[6] Not Established means monitoring is required but no limits are specified.
[7] mgd = million gallons per day
[8] Monthly = Calculated value = Average of daily flow values in a month.
[9] CFU = Colony Forming Units / 100 ml sample. MPN = Most Probable Number / 100 ml sample. For CFU, a value of <1.0 shall be considered to be non-detect. For MPN, a value of <2.2 shall be considered to be non-detect.
[10] For fecal coliform, "daily" sampling means every day in which a sample can practicably be obtained and delivered in sufficient time for proper analysis, provided that no less than four samples in each week are obtained and analyzed.
[11] Week means a seven-day period starting on Sunday and ending on the following Saturday.
[12] If at least four (4) of seven (7) samples in a week are less than or equal to 200 CFU or MPN per 100 ml, report "yes" in the appropriate space on the SMRF (indicating that the standard has been met). If at least four (4) of seven (7) samples in a week are greater than 200 CFU or MPN per 100 ml, report "no" in the appropriate space on the SMRF (indicating that the standard has not been met).
[13] Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen. Use the same sample to determine Total Nitrogen and the associated components.
[14] mg/l = milligrams per liter
[15] A five-month geometric mean of the results of the five (5) most recent samples

TABLE IA-1 PHASE I
ROUTINE DISCHARGE MONITORING (continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Metals (total):					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

TABLE IA-1 PHASE I
ROUTINE DISCHARGE MONITORING (continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs):					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Hexachlorobenzene	0.0008	0.001	mg/l	Semi-Annually	Semi-Annually
Hexachlorocyclopentadiene	0.04	0.05	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total)[16]	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

[16] Total Trihalomethanes (TTHMs) are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

TABLE IA–2 PHASE II (flows up to 0.235 mgd)[17]
ROUTINE DISCHARGE MONITORING

Sampling Point Number	Sampling Point Identification		Latitude		Longitude
1	Effluent discharge structure		32° 32' 00" N		114° 08' 00" W
Parameter	AL[18]	DL[19]	Units	Sampling Frequency	Reporting Frequency
Total Flow: Daily[20]	Not Established[21]	Not Established	mgd[22]	Everyday	Quarterly
Total Flow: Monthly Average[23]	0.223	0.235	mgd	Monthly Calculation	Quarterly
Fecal Coliform Single sample maximum	No Limit	800	CFU or MPN[24]	Daily[25]	Quarterly
Fecal Coliform: four (4) of seven (7) samples in a week[26]	No Limit	200[27]	CFU or MPN	Daily	Quarterly
Total Nitrogen[28]: Five-sample rolling geometric mean	8.0	10.0	mg/l[29]	Monthly[30]	Quarterly

[17] The Facility shall commence monitoring under this table upon construction of Phase II. Until Phase Ii is constructed, report no flows on the SMRFs.
[18] AL = Alert Level
[19] DL = Discharge Limit
[20] Flow shall be measured using a continuous recording flow meter which totals the flow daily.
[21] Not Established means monitoring is required but no limits are specified.
[22] mgd = million gallons per day
[23] Monthly = Calculated value = Average of daily flows in a month.
[24] CFU = Colony Forming Units / 100 ml sample. MPN = Most Probable Number / 100 ml sample. For CFU, a value of <1.0 shall be considered to be non-detect. For MPN, a value of <2.2 shall be considered to be non-detect.
[25] For fecal coliform, "daily" sampling means every day in which a sample can practicably be obtained and delivered in sufficient time for proper analysis, provided that no less than four samples in each week are obtained and analyzed.
[26] Week means a seven-day period starting on Sunday and ending on the following Saturday.
[27] If at least four (4) of seven (7) are equal to or less than 200 CFU or MPN per 100 ml, report "yes" in the appropriate space on the SMRF (indicating that the standard has been met). If at least four (4) of seven (7) samples are greater than 200 CFU or MPN per 100 ml, report "no" in the appropriate space on the SMRF (indicating that the standard has not been met).
[28] Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen
[29] mg/l = milligrams per liter
[30] A five-month geometric mean of the results of the five (5) most recent samples

TABLE IA-2 PHASE II
ROUTINE DISCHARGE MONITORING (continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Metals (total):					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

TABLE IA-2 PHASE II

ROUTINE DISCHARGE MONITORING (continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs):					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Hexachlorobenzene	0.0008	0.001	mg/l	Semi-Annually	Semi-Annually
Hexachlorocyclopentadiene	0.04	0.05	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total)[31]	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1;2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

[31] Total Trihalomethanes (TTHMs) are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

TABLE IB (All Phases)
RECLAIMED WATER MONITORING- CLASS B+[32]

Sampling Point Number	Sampling Point Identification	Latitude	Longitude
1	Discharge Structure	32° 32' 00" N	114° 08' 00" W

Parameter	DL[33]	Units	Sampling Frequency	Reporting Frequency
Fecal Coliform: Single-sample maximum	800.0	CFU or MPN[34]	Daily[35]	Quarterly
Fecal Coliform: Four (4) of last seven (7) samples	200.0[36]	CFU or MPN	Daily	Quarterly
Total Nitrogen[37]: Five-sample rolling geometric mean	10.0	mg/l[38]	Monthly	Quarterly

[32] Reclaimed water monitoring under Table IB shall be performed in addition to routine discharge monitoring required under Section 4.2, Table IA-1 and IA-2.
[33] DL = discharge limit
[34] CFU = Colony Forming Units per 100 ml: MPN = Most Probable Number per 100 ml. For CFU, a value of <1.0 shall be considered to be non-detect. For MPN, a value of <2.2 shall be considered to be non-detect.
[35] For fecal coliform, "daily" sampling means every day in which a sample can practicably be obtained and delivered in sufficient time for proper analysis, provided that no less than four (4) samples in each seven-day period are obtained and analyzed.
[36] If at least four (4) of the last seven (7) samples are equal to or less than 200 CFU or MPN per 100 ml, report "yes" in the appropriate space on the SMRF (indicating that the standard has been met). If at least four (4) of seven (7) samples are greater than 200 CFU or MPN per 100 ml, report "no" in the appropriate space on the SMRF (indicating that the standard has not been met).
[37] Nitrate N, plus Nitrite N, plus Total Kjeldahl Nitrogen (TKN)
[38] mg/l = milligrams per liter

TABLE II
GROUNDWATER MONITORING

Sampling Point Number	Sampling Point Identification			Latitude	Longitude
2	MW #1			32° 38' 58" N	114° 09' 07" W
Parameter	AL[39]	AQL[40]	Units	Sampling Frequency	Reporting Frequency
Total Nitrogen[41]:	Not Established[42]	Not Established	mg/l[43]	Monthly	Quarterly
Nitrate-Nitrite as N	8.0	10.0	mg/l	Monthly	Quarterly
Nitrate as N	8.0	10.0	mg/l	Monthly	Quarterly
Nitrite as N	0.8	1.0	mg/l	Monthly	Quarterly
Total Kjeldahl Nitrogen (TKN)	Not Established	Not Established	mg/l	Monthly	Quarterly
Total Coliform	Absence	Absence	P/A[44]	Monthly	Quarterly
Metals (total):					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

[39] AL = Alert Level
[40] AQL = Aquifer Quality Limit
[41] Total Nitrogen is equal to Nitrate as N plus Nitrite as N plus TKN. Use one sample to determine Total Nitrogen and the associated components (Nitrate-Nitrite as N, Nitrate as N, Nitrite as N, and TKN).
[42] Not Established means monitoring is required, but no limits are specified.
[43] mg/l = milligrams per liter
[44] P/A = Presence or absence of total coliforms in a 100-milliliter sample.

TABLE II
GROUNDWATER MONITORING (continued)

Parameter	AL	AQ	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs):					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Hexachlorobenzene	0.0008	0.001	mg/l	Semi-Annually	Semi-Annually
Hexachlorocyclopentadiene	0.04	0.05	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total)[45]	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

[45] Total Trihalomethanes are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

TABLE II
GROUNDWATER MONITORING (continued)

Parameter	AL	AOL	Units	Sampling Frequency	Reporting Frequency
Indicator Parameters / Major Cations and Anions:					
pH (field)	Monitor[46]	Monitor	S.U.	Annually	Annually
Iron	Monitor	Monitor	mg/l	Annually	Annually
Manganese	Monitor	Monitor	mg/l	Annually	Annually
Total Organic Carbon	Monitor	Monitor	mg/l	Annually	Annually
Total Dissolved Solids	Monitor	Monitor	mg/l	Annually	Annually
Sodium	Monitor	Monitor	mg/l	Annually	Annually
Potassium	Monitor	Monitor	mg/l	Annually	Annually
Calcium	Monitor	Monitor	mg/l	Annually	Annually
Magnesium	Monitor	Monitor	mg/l	Annually	Annually
Chloride	Monitor	Monitor	mg/l	Annually	Annually
Sulfate	Monitor	Monitor	mg/l	Annually	Annually
Alkalinity	Monitor	Monitor	mg/l	Annually	Annually
Specific Conductivity (field)	Monitor	Monitor	µmhos/cm	Annually	Annually

[46] Monitoring required, but no limits established.

TABLE III
FACILITY INSPECTION (Operational Monitoring)

Pollution Control Structures/Parameter	Performance Levels	Inspection Frequency	Reporting Frequency
Pump integrity	Good working condition	Weekly	Quarterly
Freeboard in the effluent storage pond	Minimum 3 feet	Weekly	Quarterly
Treatment plant components	Good working condition	Weekly	Quarterly
Effluent storage pond berm integrity	No visible structural damage, breach, or erosion of embankments	Weekly	Quarterly
Liner integrity of effluent storage pond	No cracks or leaks that would exceed a leakage rate of 550 gpd/acre	Weekly	Quarterly

5.0 REFERENCES AND PERTINENT INFORMATION

The terms and conditions set forth in this permit have been developed based upon the information contained in the following, which are on file with the Department:

1.	APP Application, dated:	February 22, 2006
2.	Contingency Plan, dated:	December 1, 2003
3.	Final Hydrologist Report, dated:	July 8, 2010
4.	Final Engineering Report, dated:	October 11, 2011
5.	Public Notice, dated:	Not Applicable
6.	Public Hearing, dated:	Not applicable
7.	Responsiveness Summary, dated:	Not applicable

6.0 NOTIFICATION PROVISIONS

6.1 Annual Registration Fees

The permittee is notified of the obligation to pay an Annual Registration Fee to ADEQ. The Annual Registration Fee is based upon the amount of daily influent or discharge of pollutants in gallons-per-day (gpd) as established by A.R.S. § 49-242.

6.2 Duty to Comply [A.R.S. §§ 49-221 through 263]

The permittee is notified of the obligation to comply with all conditions of this permit and all applicable provisions of Title 49, Chapter 2, Articles 1, 2 and 3 of the Arizona Revised Statutes, Title 18, Chapter 9, Articles 1 through 4, and Title 18, Chapter 11, Article 4 of the Arizona Administrative Code. Any permit non-compliance constitutes a violation and is grounds for an enforcement action pursuant to Title 49, Chapter 2, Article 4 or permit amendment, suspension, or revocation.

6.3 Duty to Provide Information [A.R.S. §§ 49-243(K)(2) and 49-243(K)(8)]

The permittee shall furnish to the Director, or an authorized representative, within a time specified, any information which the Director may request to determine whether cause exists for amending or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

6.4 Compliance with Aquifer Water Quality Standards [A.R.S. §§ 49-243(B)(2) and 49-243(B)(3)]

The permittee shall not cause or contribute to a violation of an AWQS at the applicable POC for the facility. Where, at the time of issuance of the permit, an aquifer already exceeds an AWQS for a pollutant, the permittee shall not discharge that pollutant so as to further degrade, at the applicable point of compliance for the facility, the water quality of any aquifer for that pollutant.

6.5 Technical and Financial Capability [A.R.S. §§ 49-243(K)(8) and 49-243(N) and A.A.C. R18-9-A202(B) and R18-9-A203(E) and (F)]

The permittee shall have and maintain the technical and financial capability necessary to fully carry out the terms and conditions of this permit. Any bond, insurance policy, trust fund, or other financial assurance mechanism provided as a demonstration of financial capability in the permit application, pursuant to A.A.C. R18-9-A203(D), shall be in effect prior to any discharge authorized by this permit and shall remain in effect for the duration of the permit.

6.6 Reporting of Bankruptcy or Environmental Enforcement [A.A.C. R18-9-A207(C)]

The permittee shall notify the Director within five days after the occurrence of any one of the following:

1. the filing of bankruptcy by the permittee; or
2. the entry of any order or judgment not issued by the Director against the permittee for the enforcement of any environmental protection statute or rule.

6.7 Monitoring and Records [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A206]

The permittee shall conduct any monitoring activity necessary to assure compliance with this permit, with the applicable water quality standards established pursuant to A.R.S. §§ 49-221 and 49-223 and §§ 49-241 through 49-252.

6.8 Inspection and Entry [A.R.S. §§ 49-1009, 49-203(B), and 49-243(K)(8)]

In accordance with A.R.S. §§ 41-1009 and 49-203(B), the permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to enter and inspect the facility as reasonably necessary to ensure compliance with Title 49, Chapter 2, Article 3 of the Arizona Revised Statutes, and Title 18, Chapter 9, Articles 1 through 4 of the Arizona Administrative Code and the terms and conditions of this permit.

6.9 Duty to Modify [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A211]

The permittee shall apply for and receive a written amendment before deviating from any of the designs or operational practices authorized by this permit.

6.10 Permit Action: Amendment, Transfer, Suspension, and Revocation [A.R.S. §§ 49-201, 49-241 through 251, A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213]

This permit may be amended, transferred, suspended, or revoked for cause, under the rules of the Department. The permittee shall notify the Groundwater Section in writing within 15 days after any change in the owner or operator of the facility. The notification shall state the permit number, the name of the facility, the date of property transfer, and the name, address, and phone number where the new owner or operator can be reached. The operator shall advise the new owner or operators of the terms of this permit and the need for permit transfer in accordance with the rules.

7.0 ADDITIONAL PERMIT CONDITIONS

7.1 Other Information [A.R.S. § 49-243(K)(8)]

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, the permittee shall promptly submit the correct facts or information.

7.2 Severability [A.R.S. §§ 49-201, 49-241 through 251, A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213]

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. The filing of a request by the permittee for a permit action does not stay or suspend the effectiveness of any existing permit condition.

7.3 Permit Transfer

This permit may not be transferred to any other person except after notice to and approval of the transfer by the Department. No transfer shall be approved until the applicant complies with all transfer requirements as specified in A.A.C. R18-9-A212(B) and (C).

ADEQ Arizona Department of Environmental Quality

Fact Sheet

Aquifer Protection Permit 105311
Place ID #18278, LTF #39264
SIGNIFICANT AMENDMENT
Links at Coyote Wash WWTF

The Arizona Department of Environmental Quality (ADEQ) proposes to issue an amendment to the Aquifer Protection Permit (APP) for the subject facility that covers the life of the facility, including operational, closure, and post closure periods unless suspended or revoked pursuant to Arizona Administrative Code (A.A.C.) R18-9-A213. This document gives pertinent information concerning the issuance of the permit. The requirements contained in this permit will allow the permittee to comply with the two key requirements of the Aquifer Protection Program: 1) meet Aquifer Water Quality Standards at the Point of Compliance (POC); and 2) demonstrate Best Available Demonstrated Control Technology (BADCT). The purpose of BADCT is to employ engineering controls, processes, operating methods or other alternatives, including site-specific characteristics (i.e., the local subsurface geology); to reduce discharge of pollutants to the greatest degree achievable before they reach the aquifer; or to prevent pollutants from reaching the aquifer.

I. FACILITY INFORMATION

Name and Location

Name of Permittee:	G-12, L.L.C.
Mailing Address:	P.O. Box 6047 Yuma, Arizona 85374
Facility Name and Location:	Links at Coyote Wash Wastewater Treatment Facility South of the Town of Wellton, Arizona, at the corner of Avenue 29 East and County 12th Street

Regulatory Status

Listed in the table below are various wastewater licenses pertaining to the facility:

Type of License	License Number	Effective Date
Original Individual APP No. 105311	LTF No. 29198	3/22/2004
Reclaimed Wastewater Reuse Permit issued to Links at Coyote Wash Golf Course	R-105675	8/3/2010

An application for this significant permit amendment to increase the treatment capacity by adding Phase II was received on February 22, 2006. This amendment increases the size of the Phase II portion from 0.126 MGD to 0.235 MGD.

The Phase I chlorination unit has enough capacity to also handle Phase II flows. The new headworks will be installed in Phase II to handle the flows from Phases I and II. This amendment also fulfills a requirement by the Arizona Corporation Commission (ACC) to expand the size of the service territory.

The latest inspection report (dated September 11, 2007), indicates that the facility was found to be in compliance with the APP and Arizona rules and statutes.

Facility Description

The Links at Coyote Wash Wastewater Treatment Facility (WWTF) is located in Wellton, Arizona, approximately 30 miles east of Yuma. The facility has a WWTP designed for a total capacity of 0.235 MGD to provide service to conventional homes, and/or RV sites with outbuildings.

The Links at Coyote Wash WWTF will be constructed in two (2) phases and have the final capacity of 0.235 million gallons per day (MGD). The existing Phase I treatment train is designed for a flow of 0.0693 MGD. The treatment process consists of an equalization basin, an anoxic tank, aeration tanks, a de-nitrification tank, a re-aeration tank, a clarifier, chlorination and a sludge holding tank. The Phase I chlorination unit has enough capacity to also handle Phase II flows. The proposed Phase II treatment train is designed for a treatment capacity of 0.1657 MGD and includes the new headworks with comminutor and bar screen, an anoxic tank, aeration tanks, a de-nitrification tank, a re-aeration tank, a clarifier, chlorination, de-chlorination, and a sludge holding tank. The new headworks will be installed in Phase II to handle the flows from Phases I and II. The effluent will be disinfected in the existing chlorination basin and will be de-chlorinated in the new de-chlorination unit. After the construction of the components in Phase II, the facility will be rated for a total design capacity of 0.235 MGD. All generated sludge is hauled off-site for disposal in accordance with all applicable state and federal regulations.

In addition, the permittee must comply with all of the requirements pertaining to sewage sludge treatment and disposal as per 40 CFR, Part 503, and Title 18 of the Arizona Administrative Code, Article 10.

The WWTF will produce reclaimed water meeting Class B+ Reclaimed Water Standards (A.A.C. R18-11, Article 3) and may be delivered for beneficial use under a valid reclaimed water permit (A.A.C. R18-9, Article 7). The effluent will be stored in the lined effluent storage pond prior to delivery for beneficial reuse.

Depth to groundwater at the WWTF site is approximately 70 feet below ground surface (bgs) and the direction of groundwater flow is to the northeast.

In addition, the permittee must comply with all of the requirements pertaining to sewage sludge treatment and disposal as per 40 CFR, Part 503, and Title 18 of the Arizona Administrative Code, Article 10.

The WWTF will produce reclaimed water meeting Class B+ Reclaimed Water Standards (A.A.C. R18-11, Article 3) and may be delivered for beneficial use under a valid reclaimed water permit (A.A.C. R18-9, Article 7). The effluent will be stored in the lined effluent storage pond prior to delivery for beneficial reuse.

Depth to groundwater at the WWTF site is approximately 70 feet below ground surface and the direction of groundwater flow is to the northeast.

All industrial hookups and other non-residential hookups to the treatment system shall be authorized according to the applicable federal, state or local regulations.

The site includes the following permitted discharging facilities:

Facility	Latitude	Longitude
WWTF	32° 32' 0.00" N	114° 08' 00.00" W
Effluent Storage Pond	32° 28' 0.23" N	114° 09' 21.48"W

Amendment Description

The permittee requested to amend the APP to add more treatment capacity to Phase II.

Listed below are the changes to the permit as a result of this amendment:

1. Section 2.1, Facility/Site Description: Updated the Phase II portion of the description.

2. Section 2.2.1, Engineering Design: Added information about previous engineering design approvals and construction approvals.

3. Section 2.2.3, Pre-operational Requirements: Added language pertaining to the Engineer's Certificate of Completion.

4. Added Section 2.2.5, Reclaimed Water Classification.

5. Section 3.0, Compliance Schedule: Added requirements for the Engineering Certificate of Completion for Phase II; deleted ambient groundwater monitoring requirements as these have been fulfilled.

6. Section 4.2, Tables of Monitoring Requirements: Added Section 4.2, Compliance or Operational Monitoring for Phase II at the new flows of 0.235. Under 4.2, the tables have been renumbered and renamed to reflect the above changes.
   - Previous Table I, Discharge Monitoring for Phase I is now Table IA-1. A separate table has been added (Table IA-2) for Phase II.
   - Added a Table (Table IB) for Class B+ reclaimed water monitoring.

- Table III - Facility Inspection (Operational Monitoring) - changes were made to the meet the current format for this table.

7. Changed all references to the Water Permits Section to read *"Groundwater Section"*.

8. Other changes include updating the permit language to conform to the most current permit format.

II. BEST AVAILABLE DEMONSTRATED CONTROL TECHNOLOGY

Engineered components at site include the Santec package WWTF, the POC well, and the effluent storage pond. The effluent shall be used for beneficial purposes and shall meet or exceed Aquifer Water Quality Standards (AWQS) and the Class B+ reclaimed water standards. Typical domestic sewage will be treated to secondary standards utilizing extended aeration with activated sludge process and nitrogen removal. Processes include nitrification, denitrification, disinfection with chlorine, and dechlorination.

The Facility meets the treatment performance criteria for a new facility as per A.A.C. R18-9-B204.

III. COMPLIANCE WITH AQUIFER WATER QUALITY STANDARDS

Monitoring and Reporting Requirements

To ensure that site operations do not violate Aquifer Water Quality Standards at the point of compliance, representative samples of the effluent shall be collected from the discharge structure. The permittee shall monitor the effluent daily for fecal coliform, monthly for total nitrogen, semi-annually for metals, and annually for VOCs (see Section 4.2, Table IA-1 during phase I and Table IA-2 during Phase II in the permit).

To ensure that site operations do not violate the Reclaimed Water Quality Standards for the beneficial use of Class B+ reclaimed water, the permittee shall monitor the reclaimed water at the same effluent sampling point as indicated above. The permittee shall monitor the reclaimed water daily for fecal coliform, and monthly for total nitrogen (see Section 4.2, Table IB in the permit).

Facility inspection and operational monitoring shall be performed on a routine basis (see Section 4.2, Table III in the permit).

Point of Compliance

[A.R.S. 49-244] The permittee shall construct, operate and maintain the permitted facilities such that Aquifer Water Quality Standards (AWQS) are not violated at the applicable point of compliance (POC) set forth below or if an AWQS for a pollutant has been exceeded in an aquifer at the time of permit issuance, that no additional degradation of the aquifer relative to

that pollutant and as determined at the applicable POC occurs as a result of the discharge from the facility.

The permittee has submitted a topographic map which identifies the locations of the boundaries of the Pollutant Management Area (PMA), and Discharge Impact Area (DIA), and one POC location.

One POC has been designated for this facility and is located northeast (down gradient) of the WWTF.

POC Name	Latitude	Longitude
POC # 1 (northeast of the WWTF)	32° 38' 58" N	114° 09' 07" W

The POC location for this facility is acceptable based on groundwater flow being to the northeast. The POC is presently located to the northeast (downgradient of the facility), and within 750 feet of the WWTF components.

The PMA is described in ARS §49-244 as the limit projected in the horizontal plane of the area on which pollutants are or will be placed. The PMA includes horizontal space taken up by any liner, dike or other barrier designed to contain pollutants in the facility. The DIA is defined by ARS §49-201.13. The DIA is the potential areal extent of pollutant migration, as projected on the land surface, as the result of a discharge from a facility.

The facility's PMA circumscribes the WWTF. The Links at Coyote Wash Golf Course and it's three effluent storage ponds are exempt facilities and are not included in the PMA pursuant to A.A.C. 49-250(B)(6). The DIA for the WWTF is similar in size and shape to the PMA with respect to its boundaries based on the facility being a WWTF in conjunction with 100-percent reuse of all generated effluent. This is acceptable based on the applicant having demonstrated that the turf area is capable of consumptively reusing the 0.235 mpd design flow, based on the site-specific Blaney-Criddle modeled project data as stated in the application.

Groundwater monitoring at the POC and discharge monitoring are required as conditions of this permit and will remain unchanged from the current permit unless an AWQS has been updated or added since the current permit was issued.

IV. HYDROGEOLOGIC SETTING

The area geology is typical of basin and range topography, and consists of primarily thick, basin-fill sequences of alluvial sediments derived from surrounding mountains. The local area is topographically flat within a basin area underlain by units of sedimentary composition. Local alluvium consists of three units designated as, an Upper sandy Unit: 20-80' thick, a Lower Gravel unit: 10-70' thick and an underlying clay unit of undetermined thickness. Soil is characterized as Sandy Loam to a depth of 5 feet. Soils in the vadose zone are primarily a composition of sand with varying amounts of gravel and clay based on drill log reports.

VII. OTHER REQUIREMENTS FOR ISSUING THIS PERMIT

Technical Capability

The G-12, LLC has demonstrated the technical competence necessary to carry out the terms and conditions of the permit in accordance with A.R.S. § 49-243(N) and A.A.C. R18-9-A202(B).

The permit requires that appropriate documents be sealed by an Arizona-registered Geologist or Professional Engineer. This requirement is a part of an on-going demonstration of technical capability. The permittee is expected to maintain technical capability throughout the life of the facility.

Financial Capability

The G-12, LLC has demonstrated the financial responsibility necessary to carry out the terms and conditions of the permit in accordance with A.R.S. § 49-243(N) and A.A.C. R18-9-A203. The permittee is expected to maintain financial capability throughout the life of the facility.

Zoning Requirements

The Links at Coyote Wash WWTF has been properly zoned for the permitted use and the permittee has complied with applicable zoning ordinances in accordance with A.R.S. § 49-243(O) and A.A.C. R18-9-A201(B)(3).

VIII. ADMINISTRATIVE INFORMATION

Public Notice (A.A.C. R18-9-108(A))

The public notice is the vehicle for informing all interested parties and members of the general public of the contents of a draft permit or other significant action with respect to a permit or application. The aquifer protection program rules require that permits be public noticed in a newspaper of general circulation within the area affected by the facility or activity and provide a minimum of 30 calendar days for interested parties to respond in writing to ADEQ. The basic intent of this requirement is to ensure that all interested parties have an opportunity to comment on significant actions of the permitting agency with respect to a permit application or permit.

Public Comment Period (A.A.C. R18-9-109(A))

The Department shall accept written comments from the public before a significant permit amendment is made. The written public comment period begins on the publication date of the public notice and extends for 30 calendar days. After the closing of the public comment period, ADEQ is required to respond to all significant comments at the time a final permit decision is reached or at the same time a final permit is actually issued.

Public Hearing (A.A.C R18-9-109(B))

A public hearing may be requested in writing by any interested party. The request should state the nature of the issues proposed to be raised during the hearing. A public hearing will be held if the Director determines there is a significant amount of interest expressed during the 30-day public comment period, or if significant new issues arise that were not considered during the permitting process.

IX. ADDITIONAL INFORMATION

Additional information relating to this proposed permit may be obtained from:

Arizona Department of Environmental Quality
Water Quality Division - APP and Reuse Unit
Attn: Donald Bell
1110 W. Washington Street, Mail Code 5415B-3
Phoenix, Arizona 85007
Phone: (602) 771-4613